INDEX TO AUTHORS 1976

Adams, C. W. M., 30
Alexander, F., 555
Amiel, S. A., 653
Arseculeratne, S. N., 189

Barabas, A. Z., 555
Barnes, R. M. R., 706
Baskerville, A., 152, 339, 404
Bateman, S., 742
Bayliss, O. B., 30, 610
Bechara, G. H., 377, 497
Beverley, J. K. A., 274
Bidwell, D. E., 243
Billing, B. H., 571
Billings, C. G., 637
Birch, J., 460
Bird, R. A., 37
Böhm, G. M., 747
Börcsök, E. Földi, See *Földi-Börcsök, E.*
Bourgain, R. H., 722
Brenk, H. A. S. van den, 621
Brown, J. D., 521

Canto, M. C. Dal, See *Dal Canto, M. C.*
Carson, J. L., 604
Carter, G. B., 200
Casley-Smith, J. R., 179, 487
Cawson, R. A., 296
Chahl, J. S., 689
Chahl, L. A., 689
Chew-Lim, M., 472
Clark, J. M., 129
Cochrane, A. M. G., 348
Collins, P., 637
Cook, J. K. A., 443
Cox, C. S., 404
Cox, D. J., 419
Cuschieri, A., 165

Dal Canto, M. C., 321
Daniel, M. R., 137
Darbyshire, J. H., 443
DeMatteis, F., 16
Dorling, J., 255
Dubin, A., 733
Dunn, S., 78

Eckert, P., 487

Fink, C. G., 460
Flaks, B., 515
Földi, M., 179
Földi-Börcsök, E., 179, 487
Ford, P. M., 148
Frayn, K. N., 316

Gammal, E. B., 248
Garcia Leme, J., 377, 497, 747
Geneva, L., 593
Georgiev, G., 593
Gibbons, E. M., 78
Gladstone, G. P., 560
Glagov, S., 129
Glenner, G. G., 582
Glynn, L. E., 114
Gollan, J. L., 571
Grant, D. P., 49, 200
Greenwald, M., 686
Greenwood, D., 303
Grisham, J. W., 604

Hambleton, P., 339
Henry, L., 274
Herbertson, B. M., 78
Hext, P. M., 281, 505
Hirsimäki, Y., 400
Hislop, A., 542
Hockaday, T. D. R., 1, 11
Honour, A. J., 1, 11
Horne, C. H. W., 455
Hrdlicka, J., 16
Huang, S. N., 571
Hughes, R. D., 348

Ishida, N., 211

Jansen, L. M. van Noorle, See *Van Noorle Jansen, L. M.*
Johnson, T. C., 321
Johnstone, J. M. S., 85
Jones, R. J., 395
Jordan, J. A., 460

Kedar (Keizman), I., 686
Kelly, H., 621
Kerr, E. J. C., 105, 481
Khimji, P. L., 217
Kimberlin, R. H., 742
Kingsman, S. M., 37
Kingston, D., 114, 255
Koj, A., 733
Kruizinga, W., 310

Lamb, J. C., 604
Lannigan, R., 555
Lansdown, A. B. G., 331, 521
Lantos, P. L., 95, 419
Lee, E. G., 85
Leme, J. Garcia, See *Garcia Leme, J.*
Lewis, C. M., 706
Lim, M. Chew, See *Chew-Lim, M.*
Little, R. A., 387
Llorach, M. A. S., 747
Lloyd, G., 152
Love, A. M., 525
Lyon, I. M. Murray, 348

McAdam, K. P. W. J., 582
McDermott, M., 505
McLeod, S., 645
Malick, L., 696
Mann, J. I., 11
Miles, A. A., 217
Morris, J. A., 354
Murray, G., 23
Murray-Lyon, I. M., 348

Nieminen, L., 400
Nopanitaya, W., 604

O'Grady, F., 303
Ohori, H., 211

Panabokke, R. G., 189
Pegrum, G. D., 706
Peters, R. W., 443
Pilkington, G. J., 419
Piller, N. B., 170, 266, 411, 713
Pillow, J., 217
Popov, Ch. S., 593
Potvliege, P. R., 722
Prince, G. H., 706
Pyy, K., 400

Rabinowitz, S. G., 321
Ravid, M., 686
Regoeczi, E., 431
Reid, L., 542
Reynolds, M. I., 387
Ribeiro Dos Santos, R., 377, 497
Richards, R. J., 281, 505
Roscoe, J. P., 95
Ruitenberg, E. J., 310

Santos, R. Ribeiro Dos, See *Ribeiro dos Santos, R.*
Searle, R. F., 515
Seawright, A. A., 16
Sipe, J. D., 582
Skidmore, C. J., 95
Skinner, G. R. B., 361, 460
Smith, H., 37
Smith, J. R. Casley, See *Casley-Smith, J. R.*
Sojka, W. J., 354
Steerenberg, P. A., 310
Stirrup, J. A., 404
Stone, M. G., 621
Stowasser, V. von, 23
Styles, J. A., 286
Suckling, A. J., 742
Sudo, L., 497
Sullman, S. F., 157
Sweet, C., 37

Tetley, T. D., 505
Thomas, G. H., 460
Thomson, A. D., 348
Thomson, A. W., 455
Toms, G. L., 37
Torain, B. F., 582
Toth, B., 696

Umenai, T., 211
Ungar, H., 157

Vales, O., 67
van den Brenk, H. A. S., See *Brenk, H. A. S. van den*
Van Noorle Jansen, L. M., 310
Vickers, T. H., 525
Voller, A., 243
von Stowasser, V., See *Stowasser, V. von*

Wain, W. H., 296
Wakerley, C. L., 137
Waldron, C. B., 742
Walton, E., 560
Warren, B. A., 67
Watanabe, M., 211
Watson, K. C., 105, 481
Webb, H. E., 472, 742
Webb, J. A., 255
Wexler, B. C., 663
White, D. J., 645
Williams, R., 348
Worthington, K. J., 165
Wray, C., 354

Yantchev, I., 593

Zlotnik, I., 49, 200
Zuckerman, A. J., 157

THE BRITISH JOURNAL OF EXPERIMENTAL PATHOLOGY

THE BRITISH JOURNAL OF EXPERIMENTAL PATHOLOGY

EDITOR
R. E. M. Thompson

ASSISTANT EDITORS
D. St. J. Brew, J. V. T. Gostling, A. E. Kellie

VOLUME FIFTY-SEVEN

1976

LONDON
H. K. LEWIS & Co. Ltd.
136 GOWER ST., WC1E 6BS

on behalf of

THE BRITISH JOURNAL OF EXPERIMENTAL PATHOLOGY
(a company limited by guarantee)
Registered Office: Africa House, 64-78 Kingsway, London, WC2B 6BE
Registered in England 355858

Directors:
L. P. Garrod (president), A. C. Thackray (vice-president)
J. V. T. Gostling, H. Harris, N. H. Martin,
F. W. O'Grady, C. E. Gordon Smith, W. G. Spector,
R. E. M. Thompson, Sir Graham S. Wilson and N. Wool

Copyright © 1976
Made and Printed in Great Britain for
H. K. Lewis & Co. Ltd., by
Adlard & Son, Ltd., Bartholomew Press, Dorking.

CONTENTS

No. 1.—FEBRUARY

PAGE

HONOUR, A. J. AND HOCKADAY, T. D. R.—INCREASED SENSITIVITY OF *in vivo* PLATELET AGGREGATION IN RABBITS AFTER ALLOXAN OR STREPTOZOTOCIN 1

HONOUR, A. J., HOCKADAY, T. D. R. AND MANN, J. I.—THE REVERSIBILITY BY DIPYRIDAMOLE OF THE INCREASED SENSITIVITY OF *in vivo* PLATELET AGGREGATION IN RABBITS AFTER ALLOXAN 11

SEAWRIGHT, A. A., HRDLICKA, J. AND DEMATTEIS. F.—THE HEPATOTOXICITY OF O,O-DIETHYL, O-PHENYL PHOSPHOROTHIONATE (SV_1) FOR THE RAT . . 16

MURRAY, G. AND VON STOWASSER, V.—GLOMERULAR LESIONS IN EXPERIMENTAL RENAL PAPILLARY NECROSIS. I. ULTRASTRUCTURAL ASPECTS AND SOME PATHOGENIC CONSIDERATIONS 23

ADAMS, C. W. M. AND BAYLISS, O. B.—DETECTION OF MACROPHAGES IN ATHEROSCLEROTIC LESIONS WITH CYTOCHROME OXIDASE 30

TOMS, G. L., BIRD, R. A., KINGSMAN, S. M., SWEET, C. AND SMITH. H.—THE BEHAVIOUR IN FERRETS OF TWO CLOSELY RELATED CLONES OF INFLUENZA VIRUS OF DIFFERING VIRULENCE FOR MAN 37

ZLOTNIK, I. AND GRANT, D. P.—FURTHER OBERVATIONS ON SUBACUTE SCLEROSING ENCEPHALITIS IN ADULT HAMSTERS: THE EFFECTS OF INTRANASAL INFECTIONS WITH LANGAT VIRUS, MEASLES VIRUS AND SSPE-MEASLES VIRUS 49

WARREN, B. A. AND VALES, O.—THE ULTRASTRUCTURE OF THE REACTION OF ARTERIAL WALLS TO CHOLESTEROL CRYSTALS IN ATHEROEMBOLISM . . 67

DUNN, S., GIBBONS, E. M. AND HERBERTSON, B. M.—CELLULAR PROLIFERATION IN THE URINARY TRACT EPITHELIUM OF THE RAT FOLLOWING TEMPORARY UNILATERAL RENAL ISCHAEMIA 78

JOHNSTONE, J. M. S. AND LEE, E. G.—A QUANTITATIVE ASSESSMENT OF THE STRUCTURAL CHANGES IN THE RAT'S LIVER FOLLOWING OBSTRUCTION OF THE COMMON BILE DUCT 85

LANTOS, P. L., ROSCOE, J. P. AND SKIDMORE, C. J.—STUDIES OF THE MORPHOLOGY AND TUMORIGENICITY OF EXPERIMENTAL BRAIN TUMOURS IN TISSUE CULTURE 95

WATSON, K. C. AND KERR, E. J. C.—STUDIES ON ANTISTEPTOLYSIN O ACTIVITY GENERATED IN SERUM BY MICROORGANISMS 105

KINGSTON, D. AND GLYNN, L. E.—ANTI-STREPTOCOCCAL ANTIBODIES REACTING WITH BRAIN TISSUE. I. IMMUNOFLUORESCENT STUDIES 114

CLARK, J. M. AND GLAGOV, S.—LUMINAL SURFACE OF DISTENDED ARTERIES BY SCANNING ELECTRON MICROSCOPY: ELIMINATING CONFIGURATIONAL AND TECHNICAL ARTEFACTS 129

No. 2—APRIL

PAGE

DANIEL, M. R. AND WAKERLEY, C. L.—FACTORS INFLUENCING THE SURVIVAL OF CELL MONOLAYERS DURING STORAGE AT 4° 137

FORD, P. M.—PASSIVE SERUM SICKNESS IN THE MOUSE: THE ROLE OF VASOACTIVE AMINES IN GLOMERULAR DEPOSITION OF IMMUNE COMPLEXES 148

BASKERVILLE, A. AND LLOYD, G.—THE PATHOGENESIS AND PATHOLOGY OF EXPERIMENTAL QUARANFIL VIRUS INFECTION 152

UNGAR, H., SULLMAN, S. F. AND ZUCKERMAN, A. J.—ACUTE AND PROTRACTED CHANGES IN THE LIVER OF SYRIAN HAMSTERS INDUCED BY A SINGLE DOSE OF AFLATOXIN B_1. OBSERVATIONS ON PATHOLOGICAL EFFECTS OF THE SOLVENT (DIMETHYLEORMAMIDE) 157

WORTHINGTON, K. J. AND CUSCHIERI, A.—ESTIMATION OF PLASMA ESTEROLYTIC ACTIVITY AND ITS *In vitro* INHIBITION BY PROTEINASE INHIBITORS DURING ACUTE PANCREATITIS IN THE HUMAN 165

PILLER, N. B.—THE INEFFECTIVENESS OF COUMARIN TREATMENT ON THERMAL OEDEMA OF MACROPHAGE FREE RATS 170

CASLEY-SMITH, J. R., FÖLDI-BÖRCSÖK, E. AND FÖLDI, M.—THE PRELYMPHATIC PATHWAYS OF THE BRAIN AS REVEALED BY CERVICAL LYMPHATIC OBSTRUCTION AND THE PASSAGE OF PARTICLES 179

PANABOKKE, R. G. AND ARSECULERATNE, S. N.—VENO-OCCLUSIVE LESIONS IN THE LIVER OF RATS ARTER PROLONGED FEEDING WITH PALMYRAH (*Borassus Flabellifer*) FLOUR 189

ZLOTNIK, I., GRANT, D. P. AND CARTER, G. B.—EXPERIMENTAL INFECTION OF MONKEYS WITH VIRUSES OF THE TICK-BORNE ENCEPHALITIS COMPLEX: DEGENERATIVE CEREBELLAR LESIONS FOLLOWING INAPPARENT FORMS OF THE DISEASE OR RECOVERY FROM CLINICAL ENCEPHALITIS 200

WATANABE, M., UMENAL, T., OHORI, H. AND ISHIDA, N.—EVIDENCE FOR THE MULTIPLICATION OF HEPATITIS B VIRUS IN "OVAL CELL" CULTURE ORIGINATED FROM HUMAN EMBRYONIC LIVER 211

MILES, A. A., PILLOW, J. AND KHIMJI, P. L.—THE ACTION OF IRON ON LOCAL KLEBSIELLA INFECTION OF THE SKIN OF THE GUINEA-PIG AND ITS RELATION TO THE DECISIVE PERIOD IN PRIMARY INFECTIVE LESIONS 217

VOLLER, A. AND BIDWELL, D. E.—ENZYME-IMMUNOASSAYS FOR ANTIBODIES IN MEASLES, CYTOMEGALOVIRUS INFECTIONS AND AFTER RUBELLA VACCINATION 243

GAMMAL, E. B.—INTIMAL THICKENING IN ARTERIES OF RATS TREATED WITH SYNTHETIC SEX HORMONES 248

No. 3—JUNE

PAGE

DORLING, J., KINGSTON, D. AND WEBB, J. A.—ANTI-STREPTOCOCCAL ANTIBODIES REACTING WITH BRAIN TISSUE. II. ULTRASTRUCTURAL STUDIES . . 255

PILLER, N. B.—DRUG-INDUCED PROTEOLYSIS: A CORRELATION WITH OEDEMA REDUCING ABILITY 266

HENRY, L. AND BEVERLEY, J. K. A.—AGE AND SEX DIFFERENCES IN THE RESPONSE OF LYMPH NODE POST-CAPILLARY VENULES IN MICE INFECTED WITH *Toxoplasma gondii* 274

HEXT, P. M. AND RICHARDS, R. J.—BIOCHEMICAL EFFECTS OF ASBESTIFORM MINERALS ON LUNG FIBROBLAST CULTURES 281

STYLES, J.A.—DHA CONTENT OF CULTURED MAMMALIAN CELLS EXPOSED TO SMOKE AND SMOKE FRACTIONS FROM CIGARETTES CONTAINING TOBACCO OR NSM, A TOBACCO SUBSTITUTE 286

WAIN, W. H. AND CAWSON, R. A.—DEPRESSION OF BURSAL FOLLICLE FORMATION BY *Candida albicans* INFECTIONS 296

GREENWOOD, D. AND O'GRADY, F.—FACTORS INFLUENCING THE RESPONSE OF *Escherichia coli* TO ANTIBIOTICS IN CONDITIONS PREVAILING IN THE INFECTED URINARY BLADDER 303

RUITENBERG, E. J., VAN NOORLE JANSEN, L. M., KRUIZINGA, W. AND STEERENBERG, P. A.—EFFECT OF PRETREATMENT WITH BACILLUS CALMETTE-GUERIN ON THE COURSE OF A *Listeria monocytogenes* INFECTION IN NORMAL AND CONGENITALLY ATHYMIC (NUDE) MICE 310

FRAYN, K. N.—INSULIN SECRETION AFTER INJURIES OF DIFFERING SEVERITY IN THE RAT 316

DAL CANTO, M. C., RABINOWITZ, S. G. AND JOHNSON, T. C.—STATUS SPONGIOSUS RESULTING FROM INTRACEREBRAL INFECTION OF MICE WITH TEMPERATURE-SENSITIVE MUTANTS OF VESICULAR STOMATITIS VIRUS 321

LANSDOWN, A. B. G.—PATHOLOGICAL CHANGES IN THE PANCREAS OF MICE FOLLOWING INFECTION WITH COXSACKIE B VIRUSES. 331

BASKERVILLE, A. AND HAMBLETON, P.—PATHOGENESIS AND PATHOLOGY OF RESPIRATORY TULARAEMIA IN THE RABBIT 339

HUGHES, R. D., COCHRANE, A. M. G., THOMSON, A. D., MURRAY-LYON, I. M. AND WILLIAMS, R.—THE CYTOTOXICITY OF PLASMA FROM PATIENTS WITH ACUTE HEPATIC FAILURE TO ISOLATED RABBIT HEPATOCYTES 348

MORRIS, J. A., WRAY, C. AND SOJKA, W. J.—THE EFFECT OF T AND B LYMPHOCYTE DEPLETION ON THE PROTECTION OF MICE VACCINATED WITH A *Gal E* MUTANT OF *Salmonella typhimurium* 354

No. 4—AUGUST

PAGE

SKINNER, G. R. B.—TRANSFORMATION OF PRIMARY HAMSTER EMBRYO FIBROBLASTS BY TYPE 2 SIMPLEX VIRUS: EVIDENCE FOR A " HIT AND RUN " MECHANISM. 361

GARCIA LEME J., BECHARA, G. H. AND RIBERIO DOS SANTOS, R.—A PROINFLAMMATORY FACTOR IN LYMPHOCYTES. ITS ROLE IN THE DEVELOPMENT OF ACUTE, NON-IMMUNOLOGICAL INFLAMMATORY REACTIONS. 377

LITTLE, R. A. AND REYNOLDS, M. I.—ROLE OF TISSUE FLUID HYPEROSMOLALITY IN THE PATHOGENESIS OF POST-TRAUMATIC FLUID LOSS 387

JONES, R. J.—ORAL VACCINATION AGAINST *Proteus mirabilis* 395

NIEMINEN, L., PYY, K. AND HIRSIMÄKI, Y.—THE EFFECT OF FUROSEMIDE ON THE RENAL DAMAGE INDUCED BY TOXIC MUSHROOM *Cortinarius speciosissimus* IN THE RAR 400

BASKERVILLE, A., STIRRUP, J. A. AND COX, C. S.—EFFECTS OF ISOPRENALINE AND PILOCARPINE ON SALIVARY GLANDS AS ASSESSED BY GRAVIMETRIC AND IMAGE ANALYSIS TECHNIQUES 404

PILLER, N. B.—A COMPARISON OF THE EFFECT OF BENZOPYRONES AND OTHER DRUGS WITH ANTI-INFLAMMATORY PROPERTIES ON ACID AND NEUTRAL PROTEASE ACTIVITY LEVELS IN VARIOUS TISSUES AFTER THERMAL INJURY. 411

COX, D. J., PILKINGTON, G. J. AND LANTOS, P. L.—THE FINE STRUCTURE OF BLOOD VESSELS IN ETHYLNITROSOUREA-INDUCED TUMOURS OF THE RAT NERVOUS SYSTEM. WITH SPECIAL REFERENCE TO THE BREAKDOWN OF THE BLOOD-BRAIN BARRIER 419

REGOECZI, E.—LABELLED POLYVINYLPYRROLIDONE AS AN *In vivo* INDICATOR OF RETICULOENDOTHELIAL ACTIVITY 431

DARBYSHIRE, J. H., COOK, J. K. A. AND PETERS, R. W.—ORGAN CULTURE STUDIES ON THE EFFICIENCY OF INFECTION OF CHICKEN TISSUES WITH AVIAN INFECTIOUS BRONCHITIS VIRUS 443

THOMSON, A. W. AND HORNE, C. H. W.—TOXICITY OF VARIOUS CARRAGEENANS IN THE MOUSE 455

BIRCH, J., FINK, C. G., SKINNER, G. R. B., THOMAS, G. H. AND JORDON, J. A.—REPLICATION OF TYPE 2 HERPES SIMPLEX VIRUS IN HUMAN ENDOCERVICAL TISSUE IN ORGAN CULTURE 460

CHEW-LIM, M. AND WEBB, H. E.—MOUSE HYDROCEPHALUS AND ENCEPHALITIS FOLLOWING INTRACEREBRAL INFECTION WITH NEWCASTLE DISEASE VACCINE VIRUSES 472

WATSON, K. C. AND KERR, E. J. C.—CHOLESTEROL ESTERASE ACTIVITY IN BODY FLUIDS 481

No. 5—OCTOBER

PAGE

CASLEY-SMITH, J. R., ECKERT, P. AND FOLDI-BÖRCSÖK, E.—THE FINE STRUCTURE OF PULMONARY CONTUSION AND THE EFFECT OF VARIOUS DRUGS . . . 487

BECHARA, G. H., SUDO, L., RIBEIRO DOS SANTOS, R. AND CARCIA LEME, J.—MODULATION BY LYMPHOCYTES OF THE VASCULAR EFFECTS CAUSED BY INFLAMMATORY MEDIATORS AND CARRAGEENIN IN THE RAT 497

TETLEY, T. D., HEXT, P. M., RICHARDS, R. J. AND MCDERMOTT, M.—CHRYSOTILE-INDUCED ABESTOSIS: CHANGES IN THE FREE CELL POPULATION, PULMONARY SURFACTANT AND WHOLE LUNG TISSUE OF RATS. 505

SEARLE, R. F. AND FLAKS, B.—AN ELECTRON MICROSCOPIC STUDY OF PIG LIVER VIABILITY AFTER EXTRACORPOREAL STORAGE 515

LANSDOWN, A. B. G. AND BROWN, J. D.—IMMUNIZATION OF MICE AGAINST COXSACKIEVIRUS B3 AND PREVENTION OF FOETAL GROWTH RETARDATION 521

LOVE, A. M. AND VICKERS, T. H.—PLACENTAL AGENESIS, EMBRYONAL HYDRAEMIA, EMBRYOLETHALITY AND ACUTE HYPERVITAMINOSIS A IN RATS . . 525

HISLOP, A. AND REID, L.—NEW FINDINGS IN PULMONARY ARTERIES OF RATS WITH HYPOXIA-INDUCED PULMONARY HYPERTENSION 542

BARABAS, A. Z., ALEXANDER, F. AND LANNIGAN, R.—INDUCTION OF AN AUTOLOGOUS IMMUNE-COMPLEX GLOMERULONEPHRITIS IN THE RAT BY INTRAVENOUS INFECTION OF HETEROLOGOUS ANTI-RAT KIDNEY TABULAR ANTIBODY. IV: EFFECT OF INJECTION OF $HgCl_2$ PRIOR TO THE ANTIBODY . 555

WALTON, E. AND GLADSTONE, G. P.—FACTORS AFFECTING THE SUSCEPTIBILITY OF STAPHYLOCOCCI TO KILLING BY THE CATIONIC PROTEINS FROM RABBIT POLYMORPHONUCLEAR LEUCOCYTES: THE EFFECTS OF ALTERATION OF CELLULAR ENERGETICS AND OF VARIOUS IRON COMPOUNDS 560

GOLLAN, J. L., BILLING, B. H. AND HUANG, S. N.—ULTRASTRUCTURAL CHANGES IN THE ISOLATED RAT KIDNEY INDUCED BY CONJUGATED BILIRUBIN AND BILE ACIDS 571

SIPE, J. D., MCADAM, K. P. W. J., TORAIN, B. F. AND GLENNER, G. G.—CONFORMATIONAL FLEXIBILITY OF THE SERUM AMYLOID PRECURSOR SAA . . 582

POPOV, CH. S., YANTCHEV, I., GEORGIEV, G. AND GENEVA, L.—EFFECT OF DIFFERENT FACTORS MODIFYING THE ACTIVITY OF SOME ENZYME SYSTEMS OF THE ENDOPLASTIC RETICULUM ON THE SENSITIVITY OF CELL ORGANELLES AGAINST THE DAMAGING ACTION OF CHEMICAL AGENTS: I INTERRELATIONS BETWEEN THE ACTIVITY OF SOME ENZYME SYSTEMS LOCATED IN ENDOPLASMIC RETICULUM AND HEPATOTOXICITY OF CARBON TETRACHLORIDE . 593

NOPANITAYA, W., LAMB, J. C., GRISHAM, J. W. AND CARSON, J. L.—EFFECT OF HEPATIC VENOUS OUTFLOW OBSTRUCTION ON PORES AND FENESTRATIONS IN SINUSOIDAL ENDOTHELIUM 604

BAYLISS, O. B.—THE GIANT CELL IN CHOLESTEROL RESORPTION. 610

No. 6.—DECEMBER

PAGE

Van den Brenk, H. A. S., Kelly, H. and Stone, M. G.—Innate and Drug-induced Resistance to Acute Lung Damage Caused in Rats by -Naphthyl Thiourea (ANTU) and Related Compounds . . . 621

Collins, P. and Billings, C. G.—Isoprenaline-induced Changes in Regional Myocardial Perfusion in the Pathogenesis of Myocardial Necrosis 637

White, D. J. and McLeod, S.—Experimental Canine Distemper Infection as a Means of Demonstrating Latent Effects of Subacute Lead Intoxication 645

Amiel, S. A.—The Effects of *Bordetella Pertussis* Vaccine on Cerebral Vascular Permeability 653

Wexler, B. C.—Comparative Effects of Cortisone, Dianabol and Enovid on Isoprenaline-induced Myocardial Infarction in Arteriosclerotic *vs* Nonarteriosclerotic Rats 663

Kedar (Keizman), I., Greenwald, M. and Ravid, M.—Colchicine Inhibition of the First Phase of Amyloid Synthesis in Experimental Animals 686

Chahl, J. S. and Chahl, L. A.—The Role of Prostaglandins in Chemically Induced Inflammation 689

Toth, B. and Malick, L.—Production of Intestinal and Other Tumours by 1,2-Dimethylhydrazine Dihydrochloride in Mice. II. Scanning Electron Microscopic and Cytochemical Study of Colonic Neoplasms 696

Barnes, R. M. R., Lewis, C. M., Pegrum G. D. and Prince, G. H.—Skin Reaction and Antibody Responses in Guinea-pigs Sensitized to Human Leukaemia Cells or their Nuclei in Combination with Bacillus Calmette-guérin. 706

Piller, N. B.— The Action of the Benzopyrones on an Experimental Model of Lymphoedema: A Contribution to their Mode of Action . . 713

Potvliege, P. R. and Bourgain, R. H.—Thrombosis Induced *In Vivo* in the Mesenteric Artery of Rats. An Electron Microscopic Study of the Initial Phases 722

Koj, A. and Dubin, A.—Inhibition of the Liver and Plasma Protein Acute-phase Response in Mice by D-Galactosamine 733

Suckling, A. J., Bateman, S., Waldron, C. B., Webb, H. E. and Kimberlin, R. H. —Motor Activity Changes in Scrapie-affected Mice . . 742

Llorach, M. A. S., Böhm, G. M. and Garcia Leme, J.—Decreased Vascular Reactions to Permeability Factors in Experimental Diabetes . . 747